



Global Synthetics

ProFab NonWoven Geotextile Selection Guide

APPLICATION

Suggested Product

SUB-SURFACE DRAINAGE	
Trench Drains	
D ₈₅ Aggregate ≤40mm Trench Depth ≤2m	ProFab AS140
D ₈₅ Aggregate ≤75mm Trench Depth ≤2m	ProFab AS280
Drainage/Separation under Embankments	
D ₈₅ Aggregate ≤40mm CBR ≥3	ProFab AS140
D ₈₅ Aggregate ≤200mm CBR ≥3	ProFab AS340
D ₈₅ Aggregate ≤40mm CBR <3	ProFab AS280
D ₈₅ Aggregate ≤200mm CBR <3	ProFab AS440
DRAINAGE BEHIND RETAINING WALLS	
Conventional walls, segmental block and panel walls	ProFab AS140
Gabion walls and crib walls	ProFab AS280
EROSION, COASTAL AND SCOUR PROTECTION	
Rock Armour Revetments	
D ₈₅ Aggregate ≤200mm	ProFab AS280
D ₈₅ Aggregate ≤400mm	ProFab AS440
D ₈₅ Aggregate >400mm	ProFab AS680
Wire Rock Mattress/Concrete Block Protection	
Rock mattress protection and articulated concrete block systems	ProFab AS340
ENVIRONMENTAL APPLICATIONS	
Geomembrane protection	ProFab AS640
Gas Collection Systems	ProFab AS280
Leachate Collection Systems	ProFab AS340
ASPHALT OVERLAY AND CHIP SEALS	
Asphalt overlay and chip seals	ProPave 400P and 500P
Crack, joint and membrane bandage procedures	ProTac
REINFORCEMENT GEOTEXTILES	
Road stabilisation with PP geotextile	ProFab PP30 and PP80
Long term embankment reinforcement with polyester geotextiles	ACETex GT Series

For further application guidance, please contact your nearest Global Synthetics office and ask one of our experienced engineering staff for further advice.

Global Synthetics staff can assist with the correct selection of ProFab geotextile for the site specific conditions of your site and project demands. Ultimately the appropriate selection of the geotextile will be based on a primary requirement of either filtration, drainage, protection, separation or reinforcement with some additional secondary benefit. Unusual conditions relating to the soil conditions or installation environment should be further assessed before installation proceeds. An engineer should be consulted for an appropriate design to ensure compliance with local codes and regulations.

Global Synthetics

Brisbane 44 Telford St, Virginia QLD 4014
Phone: 07 3865 7000 • Fax: 07 3865 4444
Email: qld@globalsynthetics.com.au

Australian Company – Global Expertise

Sydney 8/28 Oramzi Rd, Girraween NSW 2145
Phone: 02 9631 0744 • Fax: 02 9631 0755
Email: nsw@globalsynthetics.com.au

www.globalsynthetics.com.au

Perth 1/50 Railway Pde, Welshpool WA 6106
Phone: 08 9258 4311 • Fax: 08 9258 4322
Email: wa@globalsynthetics.com.au